PATENT COOPERATION TREATY

INTERNATIONAL PRELIMINARY EX	AMINING AUTHORIT	Y			
To: JOSEPH DEBENEDICTIS BACON & THOMAS, PLLC		PCT			
925 SLATERS LANE - FOURTH FLOOR ALEXANDER, VA 22314		WRITTEN OPINION			
		(PCT Rule 66)			
		Date of Mailing (day/month/year)	10 NOV 2003		
Applicant's or agent's file reference REPLY DUE					
AUST3001PCT			within 1 months/days from the above date of mailing		
International application No.	International filing date	(day/month/year)	Priority date (day/month/year)		
PCT/US01/44061	26 November 2001 (26	.11.2001)			
International Patent Classification (IPC)	or both national classifica	ntion and IPC			
IPC(7): C22F 01/12; C22C 11/00 and U. Applicant	S Cl.: 148/706, 400; 420	/563, 590; 429/225,2	26		
INTEGRAN TECHNOLOGIES INC					
1. This written opinion is the firs	st (first, etc.) drawn by	this International Pre	liminary Examining Authority.		
2. This opinion contains indication	ons relating to the following	ing items:			
I Basis of the opinio	n				
II Priority					
III Non-establishment	Of Opinion with regard to	novelty inventive of	ep and industrial applicability		
IV Lack of unity of in		noveny, mventive si	ер ана папазитат аррикатину		
57		with record to nevels			
V Reasoned statement under Rule 66.2 (a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
VI Certain documents					
VII Certain defects in the international application					
VIII Certain observations on the international application					
3. The applicant is hereby invited	3. The applicant is hereby invited to reply to this opinion.				
When? See the time limit indicated above. The applicant may, before the expiration of that time limit, request this Authority to grant an extension. See rule 66.2(d).					
How? By submitting a written reply, accompanied, where appropriate, by amendments, according to Rule 66.3. For the form and the language of the amendments, see Rules 66.8 and 66.9.					
Also For an additional opportunity to submit amendments, see Rule 66.4. For the examiner's obligation to consider amendments and/or arguments, see Rule 66.4 bis.					
For an informal communication with the examiner, see Rule 66.6					
If no reply is filed, the international preliminary examination report will be established on the basis of this opinion.					
 The final date by which the international preliminary examination report must be established according to Rule 69.2 is: 26 March 2004 (26.03.2004) 					
Name and mailing address of the IPEA/L		Authorized officer			
Mail Stop PCT, Atm: IPEA/US Commissioner for Patents	ļ	$\mathcal{O}_{\mathcal{C}}$			
P.O. Box 1450 Alexandria, Virginia 22313-1450	ļ	Sikyin Ip Jean From Ostraies, i Son			
Csimile No. (703)305-3230 Telephone No. 703-308-0661					

Form PCT/IPEA/408 (cover sheet)(July 1998)

WRITTEN OPINION

International application No.	
PCT/US01/44061	

I.	Bas	sis of the opinion
1.	Wit	h regard to the elements of the international application:*
		the international application as originally filed
1	区	the description:
		pages 1-4.6-18.22.24-28, and 31 as originally filed
ĺ		pages 5,19,20,21,23,29, and 30 , filed with the demand
ı		pages NONE, filed with the letter of
İ	\boxtimes	the claims:
		pages NONE , as originally filed
		pages NONE, as amended (together with any statement) under Article 19
		pages 33-34d , filed with the demand
		pages NONE , filed with the letter of
	\boxtimes	the drawings:
		pages 1-9, as originally filed
		pages NONE , filed with the demand
		pages NONE, filed with the letter of
		the sequence listing part of the description:
		pages NONE, as originally filed
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
2.	With	regard to the language, all the elements marked above were available or furnished to this Authority in the
	iangi Thes	uage in which the international application was filed, unless otherwise indicated under this item. e elements were available or furnished to this Authority in the following language which is:
	H	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
	님	the language of publication of the international application (under Rule 48.3(b)).
	Ш	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).
3.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the written
(opini Մ	on was drawn on the basis of the sequence listing:
	닏	contained in the international application in printed form.
	닏	filed together with the international application in computer readable form.
		furnished subsequently to this Authority in written form.
ļ	Щ	furnished subsequently to this Authority in computer readable form.
l		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
{		The statement that the information recorded in computer readable form is identical to the written sequence listing
4. [has been furnished. The amendments have resulted in the cancellation of:
•		
		the description, pages NONE
		the claims, Nos. NONE
_	_	the drawings, sheets/fig NONE
5. L		This opinion has been drawn as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
Re	place	ement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in
his c	pinio	on as "originally filed."
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WRITTEN OPINION

International application No. PCT/US01/44061

Novelty (N)	Claims 24-2	25 and 27-30	YES
	Claims <u>1-23</u>	,26,31-39	NO
Inventive Step (IS)	Claims NO	NE	YES
	Claims 1-39		NO
Industrial Applicability (IA)	Claims 1-39		YES
	Claims NON	· · · · · · · · · · · · · · · · · · ·	NO
lloy is formed into electrodes in the form of sheet, xpanded that reads on the claimed perforated (instaressing, stamping, extruding, drawing, etc (col. 2, emperature ranges 180-300°C for 5 to 20 minutes to pecial grain boundary of at least 50% (abstract and kill in the art to select any portion of range, including ference because the prior art reference finds that the	nt claim 39). The ellines 52-59). The de o induce recrystalliza col. 2, lines 45-47).	ectrode material is cold defone formed electrode material is ation (col. 2, lines 60-64). El Therefore, it would have be and steps, from the broader	med 30%-80% by rolling, heat treatment in the ectrode of Lehockey contains een obvious to one of ordinary range disclosed in a prior art
Claims 24-25 and 27-30 lack an inventive step under view of JP 62177868. The claimed subject matter as is disclosed alloys. However, JP 62177868 in an abstract disclosed andeavor or the analogous metallurgical art. Therefore ited references at the time the invention was made to 22177868 in order to improve/provide high mechanical and the control of	PCT Article 33(3) a and rejected above by es the claimed conve- ore, it would have be provide Lehockey valued at strength, oxidatio 33(4), and thus have	y Lehockey except for the pro- entional Pb based alloy compo- en obvious to one having ordi- with conventional Pb based all n resistance, and long service	86691 to Lehockey et al in opportions of Pb based electrode osition in the same field of inary skill in the art of the loy proportions as taught by Jelife.
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International application No. PCT/US01/44061

Supplemental Box	Sup	plem	ental	Box
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(To be used when the space in any of the preceding boxes is not sufficient)

TIME LIMIT

The time limit set for response to a Written Opinion may not be extended. 37 CFR 1.484(d). Any response received after the expiration of the time limit set in the Written Opinion will not be considered in preparing the International Preliminary Examination Report.

Form PCT/IPEA/408 (Supplemental Box) (July 1998)